

Abstract

An increase in angular acceleration α of a rotating shaft of a motor, which outputs a torque to a drive shaft linked to drive wheels, may cause a skid on the drive wheels. 5 In response to detection of a skid, the control procedure of the invention sets a maximum torque T_{max} according to a preset map representing a relation between the angular acceleration α and the maximum torque T_{max} , and restricts 10 an output torque level to the drive shaft. The map is set to decrease the maximum torque T_{max} with an increase in angular acceleration α . The restricted output torque level is restored at a zero cross timing of the angular acceleration α after a negative peak in the course of 15 convergence of the skid. This arrangement makes the direction of the torque restored from the torque restriction identical with the direction of the angular acceleration, thus effectively reducing torsions of the drive shaft and thereby preventing potential torsional 20 vibrations of the drive shaft.